

1      **In the Claims:**

2      Claims 1-10 and 12-27 were pending at the time of the Office Action.

3      Claims 1-10 and 12-27 stand rejected.

4      No claims are canceled in this paper.

5      Claims 1, 10, 17, and 22 are amended in this paper.

6      Accordingly, claims 1-10 and 12-27 remain pending and are shown in the  
7      following complete listing of claims:

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1       1. (Currently Amended) ~~In an An~~ electronic document editor, a  
2       highlight rendering services component comprising:

3       a highlight rendering services component including a highlight rendering  
4       services interface that provides one or more methods to enable an editor extension  
5       to control which section of an electronic document is highlighted on a screen and  
6       to control a style of the highlight, the editor extension determining a visual aspect  
7       of the highlight without altering the electronic document and the highlight  
8       rendering services component determining non-visual functional aspects of the  
9       highlight;

10      a designer extensibility mechanism;

11      a plurality of designers, wherein the designers communicate with the  
12       electronic document editor through the designer extensibility mechanism and  
13       through the highlight rendering services component;

14      a designer registry containing respective entries for the designers, wherein  
15       the entries are arranged in sequential order; and

16      an event routing controller adapted to route events related to the highlight  
17       rendering services component to at least one of the designers based at least in part  
18       on the sequential order of the entries in the designer registry.

1           2. (Original) The highlight rendering services component as recited in  
2           claim 1, wherein the methods provided by the highlight rendering services  
3           interface further enable the editor extension to define a style of the section  
4           highlighting.

5           6. (Original) The highlight rendering services component as recited in  
6           claim 1, wherein the one or more methods further comprises a method to enable  
7           the editor extension to create a highlight segment between two display pointers in  
8           the document.

9           10. (Original) The highlight rendering services component as recited in  
11           claim 1, wherein the one or more methods further comprises a method to enable  
12           the editor extension to create a highlight segment between two display pointers in  
13           the document and to highlight the segment according to a specified rendering style.

14           15. (Previously Presented) The highlight rendering services component  
16           as recited in claim 1, wherein the editor extension is a first editor extension that is  
17           replaceable by a second editor extension that determines the visual aspect of the  
18           highlight to appear different from the visual aspect of the highlight as determined  
19           by the first editor extension.

20           21. (Original) The highlight rendering services component as recited in  
22           claim 1, wherein the one or more methods further comprises a method to enable  
23           the editor extension to redefine a style of a highlight segment.

1           7. (Original) The highlight rendering services component as recited in  
2        claim 1, wherein the one or more methods further comprises a method to enable  
3        the editor extension to remove a highlighted segment from the document.

4           8. (Original) The highlight rendering services component as recited in  
5        claim 1, further comprising an interface to enable the editor extension to control a  
6        highlighted section of a document.

8           9. (Original) The highlight rendering services component as recited in  
9        claim 1, further comprising an interface to enable the editor extension to control  
10       one highlighted section of a document from a group of highlighted sections of the  
11       document.

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1           10. (Currently Amended) A computer-readable medium having  
2 computer-executable instructions for one or more interfaces that, when executed  
3 by an electronic document editor on a computer, perform the following:

4           receiving parameters from a-at least one of a plurality of designers through  
5 a highlight rendering services interface that provides one or more methods to  
6 enable the designers to control which section of an electronic document is  
7 highlighted on a screen and to control a style of the highlight, the designers  
8 determining a visual aspect of the highlight without altering the electronic  
9 document, and a highlight rendering services component determining non-visual  
10 document, and a highlight rendering services component determining non-visual  
11 functional aspects of the highlight;

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13           registering the designers in a sequential order;  
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15           receiving at least one event relating to the highlight rendering services

16           component;

17           routing the event to at least one of the designers based at least in part on the  
18 sequential order in which the designers are registered;

19           utilizing the parameters to highlight a segment of an electronic document  
20 with particular highlight visual aspects in response to the event;

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22           returning values to the designer regarding the state of the highlighted  
23 segment.

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11. (Canceled).

12. (Original) The computer-readable medium as recited in claim 10,  
3 wherein the utilizing the parameters further comprises utilizing the parameters to  
4 create a highlight segment between two display pointers in the document.

6 13. (Original) The computer-readable medium as recited in claim 10,  
7 wherein the utilizing the parameters further comprises utilizing the parameters to  
8 create a highlight segment between two display pointers in the document and to  
9 highlight the segment according to a specified rendering style.

11 14. (Original) The computer-readable medium as recited in claim 10,  
12 wherein the utilizing the parameters further comprises utilizing the parameters to  
13 redefine a highlighted segment in the document.

15 15. (Original) The computer-readable medium as recited in claim 10,  
16 wherein the utilizing the parameters further comprises utilizing the parameters to  
17 redefine a style of a highlighted segment in the document.

19 16. (Original) The computer-readable medium as recited in claim 10,  
20 wherein the utilizing the parameters further comprises utilizing the parameters to  
21 remove a highlighted segment from the document.

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1           17. (Currently Amended) A method for providing highlight rendering  
2           services to ~~one or more~~ a plurality of extensions in an extensible editor, the method  
3           comprising:

4           receiving a request from ~~an~~one of the extensions to utilize the highlight  
5           rendering services;

6           facilitating the request by presenting a highlight rendering services interface  
7           that is accessible by the extension and that provides one or more methods to enable  
8           the extensible editor to control which section of an electronic document is  
9           highlighted on a screen and to control a style of the highlight, the extensible editor  
10           determining a visual aspect of the highlight without altering the electronic  
11           document and a highlight rendering services component determining non-visual  
12           functional aspects of the highlight;

13           registering the extensions in a sequential order;

14           routing an event related to the highlight rendering services component to at  
15           least one of the extensions based at least in part on the sequential order in which  
16           the extensions are registered; and

17           communicating with the extension through the highlight rendering services  
18           interface to enable the extension to highlight a section of a document through the  
19           editor according to particular display attributes defined by the extension.

1       18. (Original) The method as recited in claim 17, wherein the facilitating  
2       further comprises presenting a highlight segment interface to enable the extension  
3       to control a highlighted section of a document displayed by the extensible editor,  
4       and wherein the communicating further comprises communicating with the  
5       extension through the highlight segment interface.

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7       19. (Original) The method as recited in claim 17, wherein the highlight  
8       rendering service interface further comprises an add-segment method to enable the  
9       extension to create a highlight segment between two display pointers in the  
10       document and to define a style of the highlighting.

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12       20. (Original) The method as recited in claim 17, wherein the highlight  
13       rendering service interface further comprises a move-segment-to-pointers method  
14       to enable the extension to create a highlight segment between two display pointers  
15       in the document and to define a style of the highlighting.

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17       21. (Original) The method as recited in claim 17, wherein the highlight  
18       rendering service interface further comprises a remove-segment method to enable  
19       the extension to remove a highlighted section from the document.

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1       22. (Currently Amended) An electronic document editor stored on a  
2       computer-readable medium, comprising:

3        a plurality of designers;

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5        a designer interface that is adapted to transfer data between the editor and  
6       one or more the designers attached to the editor;

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8        a designer registry containing respective entries for the designers, wherein  
9       the entries are arranged in sequential order;

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11       an event routing controller adapted to route events received by the editor to  
12       at least one of the one or more designers based at least in part on the sequential  
13       order of the entries in the designer registry; and

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15       a highlight rendering services component that is configured to enable a  
16       designer to modify rendered character attributes of highlighted document text  
17       without modifying the document content, and that includes a highlight rendering  
18       services interface that provides one or more methods to enable the designer to  
19       control which section of an electronic document is highlighted on a screen and to  
20       control a style of the highlight, the designer determining a visual aspect of the  
21       highlight and the highlight rendering services component determining non-visual  
22       functional aspects of the highlight.

1           23. (Original) The electronic document editor as recited in claim 22,  
2           wherein the highlight rendering services component further comprises a highlight  
3           rendering services interface configured to transfer data between the editor and a  
4           designer to enable the designer to control which sections of the document are  
5           highlighted on the screen and the style in which the highlighting appears.  
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7           24. (Original) The electronic document editor as recited in claim 23,  
8           wherein the highlight rendering services interface further comprises an add-  
9           segment method to create a highlight segment between two display pointers and  
10           highlight the highlight segment according to a specified rendering style.  
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12           25. (Original) The electronic document editor as recited in claim 23,  
13           wherein the highlight rendering services interface further comprises a move-  
14           segment-to-pointers method to redefine a highlight segment and a style in which  
15           the highlight segment is rendered.  
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17           26. (Original) The electronic document editor as recited in claim 23,  
18           wherein the highlight rendering services interface further comprises a remove-  
19           segment method to remove a highlight segment from a collection of segments that  
20           are highlighted.  
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1        27. (Original) The electronic document editor as recited in claim 22,  
2        wherein the highlight rendering services component further comprises a highlight  
3        segment interface configured to transfer data between the editor and a designer to  
4        enable the designer to provide type checking for document segments added or  
5        moved from highlighted sections of the document.

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